Pioneer

Upgrade Instructions and Operation Manual Addendum

2013 F-series NAVIGATION UPGRADE SD-CARD

CNSD-450FM
CNSD-400FM

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English

7-Zip

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Version 2.1, February 1999

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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All disputes arising under this EULA shall be brought in the public court in the country within the European Economic Area (EEA) in which you are domiciled. If you are domiciled outside the European Economic Area (EEA), the forum for all disputes shall be the public court in the country within the European Economic Area (EEA) from which you purchased the license to use the Services.

Thank you for buying this Pioneer product.

Please read through these operating instructions so you will know how to operate your model properly.

Important

The screens shown in the examples may differ from actual screens, which may be changed without notice for performance and function improvements.

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- Read the entire manual before upgrading the programme of your navigation system.
- This package is unique, and cannot be installed on more than one unit.

In case of trouble

- Should the navigation system fail to operate properly, contact your dealer or nearest authorised Pioneer Service Station.
- Do not lose the supplied Media Number Card (MEDIA NUMBER CARD). If the Media Number Card is lost, reissue of the Media Number (MEDIA NUMBER) is not possible. Also you must submit the Media Number Card when repairs are needed. The card is necessary as proof of authenticity if service is required (including recovery).

Visit our website

Visit us at the following site:

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SD memory card

- Keep the SD memory card out of the reach of small children to prevent them from accidentally swallowing it.
- Do not store the SD memory card in high temperatures or direct sunlight.
- Do not subject the SD memory card to shock or impact.
- Do not allow the SD memory card to come into contact with liquids. Damage to the SD memory card and your products could result from contact with liquids.
- Be careful not to touch terminals on the SD memory card. Doing so may cause connection failures. If any terminals are dirty, wipe them with a clean dry cloth.

- SD Logo is a trademark of SD-3C, LLC.

Manual overview

This manual describes how to get the password and activate the upgrade. It also provides an overview of how functions change after the upgrade.

Conventions used in this manual

Before moving on, take a few minutes to read the following information about the conventions used in this manual. Familiarity with these conventions will help you greatly as you learn how to use your new equipment.

- Buttons on your navigation system are described in **ALL CAPITALS**, **BOLD** lettering:
  e.g.)
  With the map displayed, press the **MENU** button.
- Menu items, screen titles, and functional components are described in **bold** with double quotation marks " ":
  e.g.)
  The "**System Settings**" menu appears.
- Touch panel keys that are available on the screen are described in **bold** in brackets []:
  e.g.)
  Touch [**Settings**].

- Extra information, alternatives and other notes are presented in the following format:
  e.g.)
  ❒ If the home location has not been stored yet, set the location first.
- References are indicated like this:
  e.g.)
  ➲ For details of the operation, refer to *Checking the device number* on page 19.

Models to be upgraded

To users who have purchased the CNSD-450FM

This package can upgrade the software programme and database of the following models:
AVIC-F500BT

To users who have purchased the CNSD-400FM

This package can upgrade the software programme and database of the following models:
AVIC-F9110BT, AVIC-F910BT, AVIC-F900BT, AVIC-F710BT, AVIC-F700BT

Renewed points through this upgrade

For users upgrading the hardware for the first time

For users using AVIC-F500BT, AVIC-F900BT or AVIC-F700BT

By upgrading the navigation system with this product, the points described in this manual are changed.
➲ For details of the operation, refer to Chapter 5.

For users using AVIC-F9110BT, AVIC-F910BT or AVIC-F710BT

By upgrading the navigation system with this product, following points are changed.
- Map database (including POI) is renewed.
- Device Number is displayed on the "**Service Information**" screen.

The other operations are essentially the same as those at the time you purchased the hardware. Use Operation Manual included in the hardware package as your primary reference.

For users who have previously upgraded the hardware

By upgrading the navigation system with this product, following points are changed.
- Map database (including POI) is renewed.
- Device Number is displayed on the "**Service Information**" screen.

The other operations are essentially the same as those at the time you purchased the hardware. Use Operation Manual included in the hardware package as your primary reference.

Setting items to be deleted and initialised by upgrade

The following data and settings will be cleared and reset to default values. Other items will be retained. However, some items are not listed because the setting can be easily recovered by users, such as the last map scale, the last status of AV operation screen, etc.

Navigation functions	
Destination Menu	All settings on "**TMC Control Centre**"
	"**History**" on "**Address**"
	History
	Favourites
	"**Saved Criteria**" on "**POI**"
Navi Settings	All settings
System Settings	All settings
Others	Pin icon data
	Speed camera data
	Anti-theft password

Audio functions	
AV Settings	All settings
SD, **USB**	All settings (*1)
Volume setting for AV sources, EQ settings (*2)	

(*1) All settings including the setting on the "**Function**" menu are deleted.
(*2) These settings are cleared only if you use AVIC-F500BT.

The user data stored in the internal memory of the unit may be erased if an unexpected error occurs during software installation. Pioneer is not responsible for any data loss or unavailability of user data.

PIONEER CNSD-450FM, CNSD-400FM

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- Modifications related to roads, streets/highways, terrain, construction and other things before/during the development period may not be reflected in this database. Inevitably, those modifications after that period are not reflected in this database.
- Regardless of existing and newly-built things, the data may be different from the actual condition.
- For details about the map coverage of this navigation system, refer to the information on our website.
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- If the local traffic regulations or conditions deviate from this data, follow the local traffic regulations (such as signs, indications, etc.) and conditions (such as construction, weather, etc.).
- The traffic regulation data used in the map database applies only to standard sized passenger vehicles. Note that regulations for larger vehicles, motorbikes, and other non-standard vehicles are not included in the database.
- TomTom Map Version, Rel. 06/2012.

Maps by TOMTOM

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- Powered by NNG

The navigation system upgrade process

1 Check the device number of your navigation system.
➲ For details of the operation, refer to *Checking the device number* on page 19.

⬇

2 Check the version information.
➲ For details, refer to *Checking the current version* on page 19.

⬇

3 Get the password for authentication.
➲ For details, refer to *Getting the password for authentication* on page 20.

⬇

4 Upgrade the software programme of your navigation system.
➲ For details of the operation, refer to *Upgrading the software programme and the map database* on page 20.

⬇

5 Check whether the upgrade was done properly.
➲ For details, refer to *Checking whether the upgrade was done properly* on page 21.

⬇

6 Update the Bluetooth firmware.
➲ For details, refer to *Updating the Bluetooth wireless technology software* on page 22.

▣

Preparation for upgrade

Checking the device number

First, check your device number (DEVICE NUMBER, displayed such as Device Number or Device#) of your navigation system for later procedures. To display the device number, do the following.

1 Park your vehicle in a safe place and apply the handbrake.

2 Insert the upgrade SD memory card into the SD card slot.

3 Turn the ignition switch OFF and back ON to reboot the navigation system.
After a short pause, the device number will appear.

4 Write down your device number (Device#) onto the supplied Media Number Card (MEDIA NUMBER CARD) to avoid mistakes.

5 Touch [Cancel].
The navigation system restarts.

6 Turn off the vehicle engine to terminate the system.
The navigation system is also turned off.

7 Eject the upgrade SD memory card.

Checking the current version

You may need the version information to confirm completion of upgrade. Check the version information using the following procedure.

1 Press the MENU button to display the "Top Menu", and then touch [Settings].

2 Touch [System Settings].
The "**System Settings**" menu appears.

3 Touch [Service Information] on the "System Settings" menu.

4 Write down the version displayed in "Map Version" and "Version".

Getting the password for authentication

Web-connected computer is required for on-line issuance of password.

For upgrade, a unique password issued online is necessary. Access the website with your computer and get your password.
The following information is required.

- Media Number (MEDIA NUMBER) printed on supplied Media Number Card (MEDIA NUMBER CARD)
- Device Number (DEVICE NUMBER) of your navigation system

1 Access on the following website to issue your password.
http://www.pioneer.eu/UnlockNavgate
For issuing the password, follow the instruction on the website.

2 Record the password that you received.
You need to input this password accurately. Write down your password to avoid mistakes.

Upgrade procedures

Upgrading the software programme and the map database

This section describes the upgrade procedures for your navigation system.

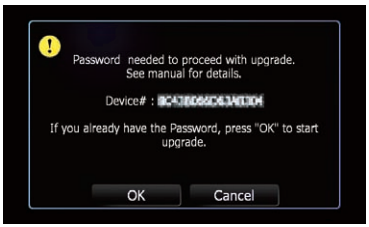
- ❒ The upgrade takes approximately 40 minutes in total.
- ❒ If you use AVIC-F500BT, be sure to follow the instructions given below.
  - Turn the navigation unit's power completely off by pressing and holding the Power button.
  - Never start upgrading when the navigation unit runs with the battery. Otherwise, the upgrade cannot complete because the battery runs out.

1 Park your vehicle in a safe place and apply the handbrake.

2 Insert the upgrade SD memory card into the SD card slot.

3 Turn the ignition switch OFF and back ON to reboot the navigation system.
After a short pause, the device number will appear.

4 Touch [OK].


Password needed to proceed with upgrade.
See manual for details.
Device# :
If you already have the Password, press "OK" to start upgrade.
OK
Cancel

After a short pause, the keyboard for entering the password will appear.

- ❒ To cancel the upgrade, touch [**Cancel**].

5 Enter the password for authentication that you obtained, then touch [Done].

After you touch [**Done**], the system starts the authentication. When the authentication is finished properly, a message for confirmation will appear.

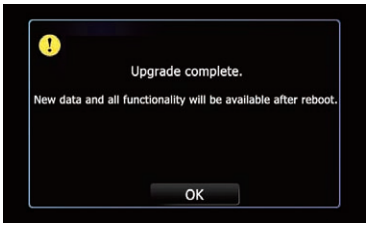
6 Touch [Yes] to start the upgrade.

The navigation system restarts and then the installation begins.

❒ To cancel the upgrade, touch [**No**].

When the programme upgrade is complete, a confirmation message appears.

7 Touch [OK].



The message confirming whether you want to keep the current splash screen appears.

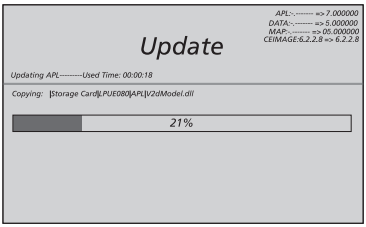
8 Touch the key that you want to select.

The navigation system restarts and then the installation begins.

9 Wait until the upgrade process is complete.

CAUTION

While this screen is visible, NEVER switch the ignition key position or turn off the power of navigation system.



After the installation is complete, the navigation system restarts.

10 Touch the language that you want to use on screen.

11 Touch the language that you want to use for the voice guidance.

The "**Top Menu**" screen appears.

12 Eject the upgrade SD memory card.

Checking whether the upgrade was done properly

Display "**Service Information**" screen to compare the current version number with the previous one.

➲ For details, refer to *Checking the current version* on page 19.

Updating the Bluetooth wireless technology software

Access the Pioneer website to check your phone's compatibility. If your phone is on the list and you wish to update, manually update the Bluetooth firmware after the automatic upgrade is finished.

http://www.pioneer.eu

❒ Registered phones that are listed on the "**Connection**" screen are cleared by the software update.

1 Park your vehicle in a safe place and apply the handbrake.

2 Insert the upgrade SD memory card into the SD card slot.

3 Press the MENU button to display the "Top Menu".

4 Touch [Phone].
The "**Phone Menu**" screen appears.

5 Touch [Phone Settings].
The "**Phone Settings**" screen appears.

6 Touch [Bluetooth Software Update].
The current version is displayed.

7 Touch [Software Update].
Update starts.

8 Wait until the update process is complete.
A message will appear after the update is complete.

9 Touch [OK].

10 Eject the upgrade SD memory card.
Update is completed. ■

❒ This chapter explains changes made when you upgrade the AVIC-F500BT, AVIC-F900BT or AVIC-F700BT hardware for the first time.

If you upgrade your navigation system using this SD memory card, the system will have the following changes.

Navigation functions

Signpost and recommended lane

Signposts will appear together with the recommended lane where multi-lane roads exist when you are driving on your route. The highlighted lane indicates the recommended lane.

❒ This information is based on the map database. Thus, the information may differ from actual conditions. Use it as just a directional reference for your driving.

Switching the map mode

There are a number of map displays.
Touching the map mode selector allows you to change the map display.

Map mode selector

2D map screen (Heading up mode)

The map display always shows the vehicle's direction as proceeding toward the top of the screen.
When "Heading up" mode is selected, is displayed.

2D map screen (North up mode)

The map display always has north at the top of the screen.
When "North up" mode is selected, is displayed.

3D map screen

When the 3D map screen is selected, is displayed.

1 Press the MAP button to display the navigation map screen.

2 Touch the map mode selector to switch the map display.

Each touch of the map mode selector changes the map display as follows:
2D map screen (Heading up mode) — 2D map screen (North up mode) — 3D map screen

Hiding controls for tilt and rotation angle

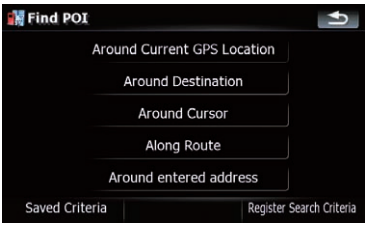
Touching hides the tilt controls and rotation angle.

Controls for tilt and rotation angle

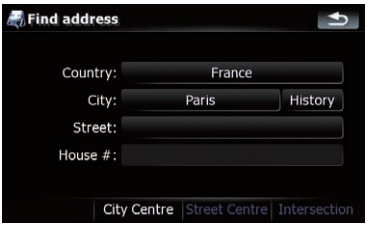
Searching for POIs around the address

1 Touch [Destination] on the "Top Menu", and then touch [POI].

2 Touch [Around entered address].



3 Enter the address you want.



❒ If the house number you have entered is not found, a message appears. In that case, a house number near entered one is selected after touching [**OK**].

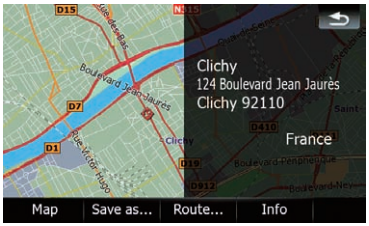
4 Touch the category you want.

If there are more detailed categories within the selected category, repeat this step as frequently as necessary.
Touch [**Search**] to search for a POI by entering the POI name in the selected category.
Touching [**All**] lists all POIs that are included in the categories currently displayed.

5 Touch the POI you want.

- Touching the [**Name**] tab sorts the options in the list in alphabetical order.
- Touching the [**Distance**] tab sorts the options in the list in order by distance.

6 Touch one of the options at the bottom of the Map confirmation screen to select the next operation.



Touch [**Route...**] then [**Go Here Now**] to set your selected position as your destination and calculate the route up that point.

➲ For details of other operations on the Map confirmation screen, refer to Operation Manual of your navigation system.

AV functions

Selecting a track from the list

The list lets you see the list of track titles, file names or folder names on a disc and select one of them to play.

1 Touch [List].

2 Touch the track you want to play.

(e.g. USB)

The track currently playing is highlighted. Touching or switches the selection to the next or previous page in the list.

- A dash (–) is displayed if there is no corresponding information.

3 To return to the previous screen, touch [Detail].

Settings Menu

Textured Polygons

The setting has been changed so that the system always can draw the map graphically.

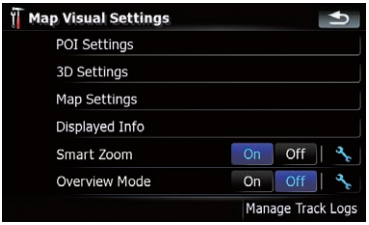
POI Settings

"**Manage POI**" changes to "**POI Settings**" and the position of key has been moved.

1 Touch [Map Visual] on the "Navi Settings" menu.

The "**Map Visual Settings**" screen appears.

2 Touch [POI Settings].



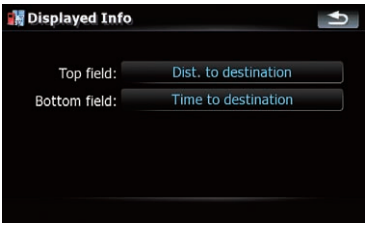
Displayed Info

The characters on the Multi-Info window are enlarged.

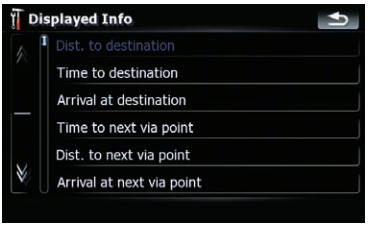
1 Touch [Map Visual] on the "Navi Settings" menu.
The "**Map Visual Settings**" screen appears.

2 Touch [Displayed Info].
The "**Displayed Info**" screen appears.

3 Touch the key on the right of "Top field:" to display the options.



4 Touch your desired option.



Manage Track Logs

[**Export all**] and [**Delete all**] keys are added.

1 Touch [Map Visual] on the "Navi Settings" menu.
The "**Map Visual Settings**" screen appears.

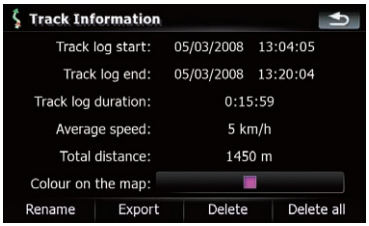
2 Touch [Manage Track Logs].
A list of track logs already recorded appears.

3 Touch the desired track log on the list.

More details about the track log appears.

❒ Touching [**Export all**] exports all track logs currently stored to the external storage device (USB or SD) at once.

4 Touch the desired key to operate it.



Delete all:
Touching this key deletes all track logs.

Changes of default value

Settings Menu

Menu items	Before upgrade	After upgrade
Back Camera	Off	On
AV1 Input	Off	iPod

Menu items	Before upgrade	After upgrade
Warn When Speeding	On	Off
MUTE Input/GUIDE	MUTE	ATT

Restore Factory Settings

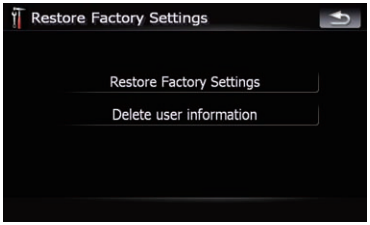
Resets various settings registered to the navigation system and restores them to the default or factory settings.

❒ Some data remains. Be sure to read *Setting items to be deleted* first.

➲ For detailed information about the items which would be erased, refer to *Setting items to be deleted* on page 28.

1 Touch [Restore/Delete] on the "System Settings" menu.

2 Touch [Restore Factory Settings] or [Delete user information].



❒ Because deleted data cannot be restored, take extra care not to mistakenly delete items.

3 Touch [OK].

The navigation system will now restart.

Setting items to be deleted

The items to be deleted vary depending on the reset method. The items listed in the following table return to the default or factory settings.
Almost all items not listed below will be retained. However, some of the items to be returned to their default values are not listed if the setting value can be easily recovered by user, such as the last map scale, the last status of AV operation screen, etc.
—: The setting will be retained.
✓: The setting will be cleared and returned to the default or factory settings.
Method 1: Press the RESET button
Method 2: Touch [Restore Factory Settings]
Method 3: Touch [Delete user information]

Navigation functions		Method 1	Method 2	Method 3
Destination Menu	All settings on "**TMC Control Centre**"	—	✓	✓
	"**History**" on "**Address**"	—	—	✓
	History	—	—	✓
	Favourites	—	—	✓
	"**Saved Criteria**" on "**POI**"	—	—	✓
Navi Settings	**Set Home**	—	—	✓
	GPS & Time Settings, **Map Visual**, **Route**, **Warnings**, **Regional Settings**	—	✓	✓
	Sound settings "**Voice**", "**Keys**", "**Dynamic Volume** (**On**/**Off**)"	—	✓	✓
	Sound settings "**Master**", "**Dynamic Volume** (**Maximum speed:**, **Minimum speed:**)"	—	—	✓
System Settings	**Language**	—	✓	✓
	Other settings	—	—	✓
Others	Pin icon data	—	—	✓
	Speed camera data (created by user)	—	✓	✓
	Speed camera data (*1) (imported from SD/USB)	—	✓	✓
	Anti-theft password	—	—	✓

(*1) The imported data is not deleted. Only the once deleted data is restored.

Audio functions		Method 1	Method 2	Method 3
AV Settings	**Wide Mode**	—	—	✓
	Other settings	✓	—	—
AV Sound	All settings	✓	—	—
CD, **ROM**, **DivX**, **FM**, **AM**	All settings (*2)	✓	—	—

Changes on the upgraded programme

Audio functions		Method 1	Method 2	Method 3
DVD-V, **DVD-VR**	All settings	✓	—	—
SD, **USB**	All settings (*2)	✓	—	✓
Volume setting for AV sources, TA volume		✓	—	—

(*2) All settings including the setting on the "**Function**" menu are deleted.

Phone functions		Method 1	Method 2	Method 3
Phone Menu (*3)	**Phone Volume**	—	—	✓
	Received Calls	—	—	✓
	Dialed Numbers	—	—	✓
	Missed Calls	—	—	✓
	Phone Settings	—	—	✓
Contacts (*3)	All entries	—	—	✓

(*3) All stored data of 3 users is deleted.

Problems in the procedures for updating

Symptom	Cause	Action
The upgrade process doesn't start and the navigation system boots up as usual.	An incorrect SD memory card has been inserted.	Eject the inserted SD memory card and insert the correct upgrade SD memory card.
	Upgrade SD memory card has been inserted while the navigation system are turned on.	Turn the ignition switch OFF and back ON to reboot the navigation system.
	The screen that cannot begin the upgrade process is displayed.	Eject the upgrade SD memory card, and display the map of your current position, and then reinsert the card.

Messages in the procedures for updating

Message	When	What to do
An error has occurred and update has failed. Consult your dealer or Pioneer service centre.	Failed to upgrade the data for some reason.	Consult your authorised Pioneer dealer.

http://www.pioneer.eu

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